

REPORT OF PROPOSALS

For the Month of August/2005

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Weathers, P. J.	Mizutani Foundation for Glycoscience Research	Is a Precursor to the Antimalarial Drug, Artemisinin, Glycosylated in Planta?	\$ 65,949
CHEMICAL ENG'G	Thompson, R. W. *Gnanaraj, J.	Yardney Technical Products, Inc.	New Electrolytes for Enhanced Low Temperature Li-ion Battery Performance	\$ 25,000
	Camesano, T.	Mizutani Foundation for Glycoscience Research	Binding of E. Coli Adhesins and Surface Polymers to Epithelial Cell Receptors	\$ 56,488
	Zhou, S.	American Chemical Society	Covalently Functionalized Pyrolyzed Carbon (PC) Surfaces for Fast DNA Hybridization Detection	\$ 35,000
	Wilcox, J.	American Chemical Society	Ab Initio-Based Heterogeneous Study of Trace Elements in Combustion Flue Gases	\$ 35,000
CHEMISTRY & BIOCHEMISTRY	Arguello, J. *Iannachione, G.	NASA	Membrane Protein Stability and Functional Flexibility Necessary for Life in Extreme Environments	\$ 546,848
	Thalladi, V.	Army Research Office	Acquisition of a CCD Single Crystal X-Ray Diffractometer	\$ 318,040
CIVIL & ENVIRONMENTAL ENG'G	Albano, L. *Fitzgerald, R. W.	NIST	Integration of Structural Collapse Assessment into Pre-Incident Planning: Framework and Prototype Development	\$ 188,473
	Mallick, R.	Edwards & Kelcey	Development of Rut and Moisture Resistant HMA for Pavements in Logan International Airport, Boston, Massachusetts	\$ 13,442
COMPUTER SCIENCE	Rundensteiner, E. A. *Mani, M. *Heineman, G.	NSF	CRI: High Performance Infrastructure for Data-Intensive Stream Processing Technologies	\$ 297,478
	Ruiz, C.	University of Mass. Medical School	Oncological Data Analysis	\$ 29,474
ELECTRICAL & COMPUTER ENG'G	King, B. *McNeill, J.	U.S. Air Force	Graduate Student Support, Curtis Colonero - Lincoln Scholars Program	\$ 10,235
IGSD	Krueger, R.	NSF	New Economy Spaces and Sustainable Development	\$ 293,165

FIRE PROTECTION ENG'G	Barnett, J.	Battelle (Navy)	Fire Simulator Test Plan	\$	15,568
MATHEMATICAL SCIENCES	Weekes, S. L. *Vernescu, B.	NSF	New Trends in Material Design of Complex Systems in Space and in Time	\$	12,500
	Nandram, B.	NIH	NCHS Nonresponse in Small Area Estimation	\$	45,825
	Larsen, C.	NSF	Variational Methods for Material Damage: Fracture, Fatigue, and Debonding	\$	2,960
OTHER	Snoddy, G.	Governer's Highway Safety Bureau	Alcohol Education & Prevention at WPI	\$	4,924
	*CPI		Total	\$	1,996,369